

NYS Thruway Exit 26 & I-890

Land Use and Transportation Plan

1st Public Work Session

December 5, 2007

Town of Rotterdam, NY

CDTC

Wilbur Smith Associates, Inc



AGENDA

Introduction

(10 Minutes)

Project Presentation, Question & Answer

(45+ Minutes)

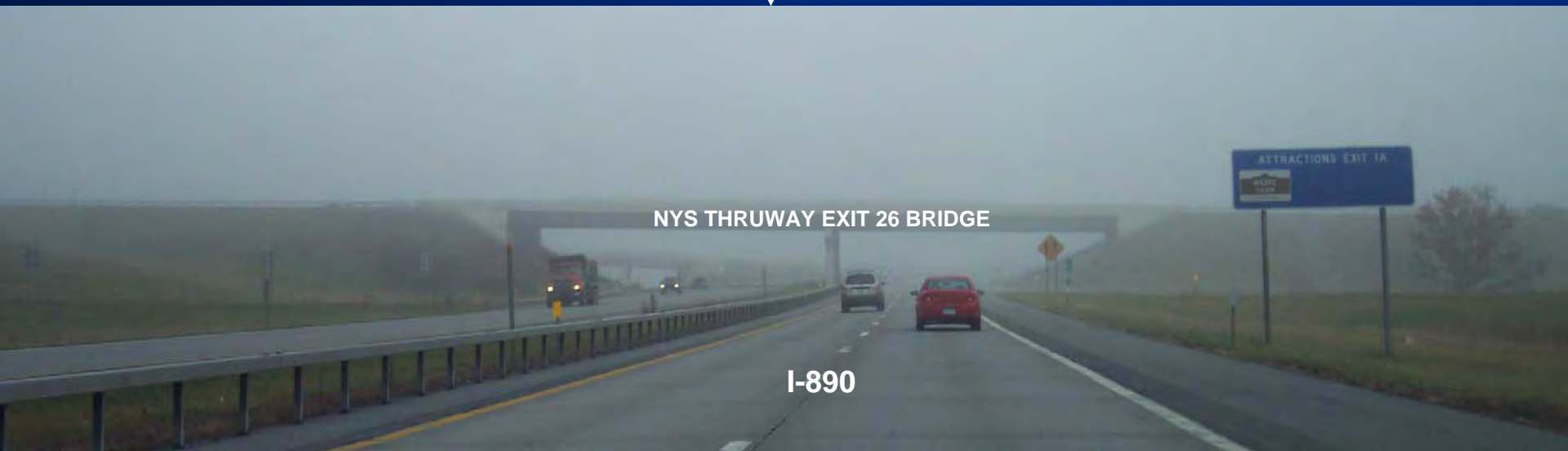
Welcome

- Introduction(s)
 - Town of Rotterdam
 - CDTC
 - Wilbur Smith Associates
- Background
 - To build on the recommendations of the 2001 Comprehensive Plan.
 - To plan for potential increased development in the area.
 - Develop the tools necessary to help shape this vision and the associated transportation system.
- Purpose
 - Receive resident input as we refine the future land use & transportation vision.

Study Area



Route 5S @ Mabie Lane



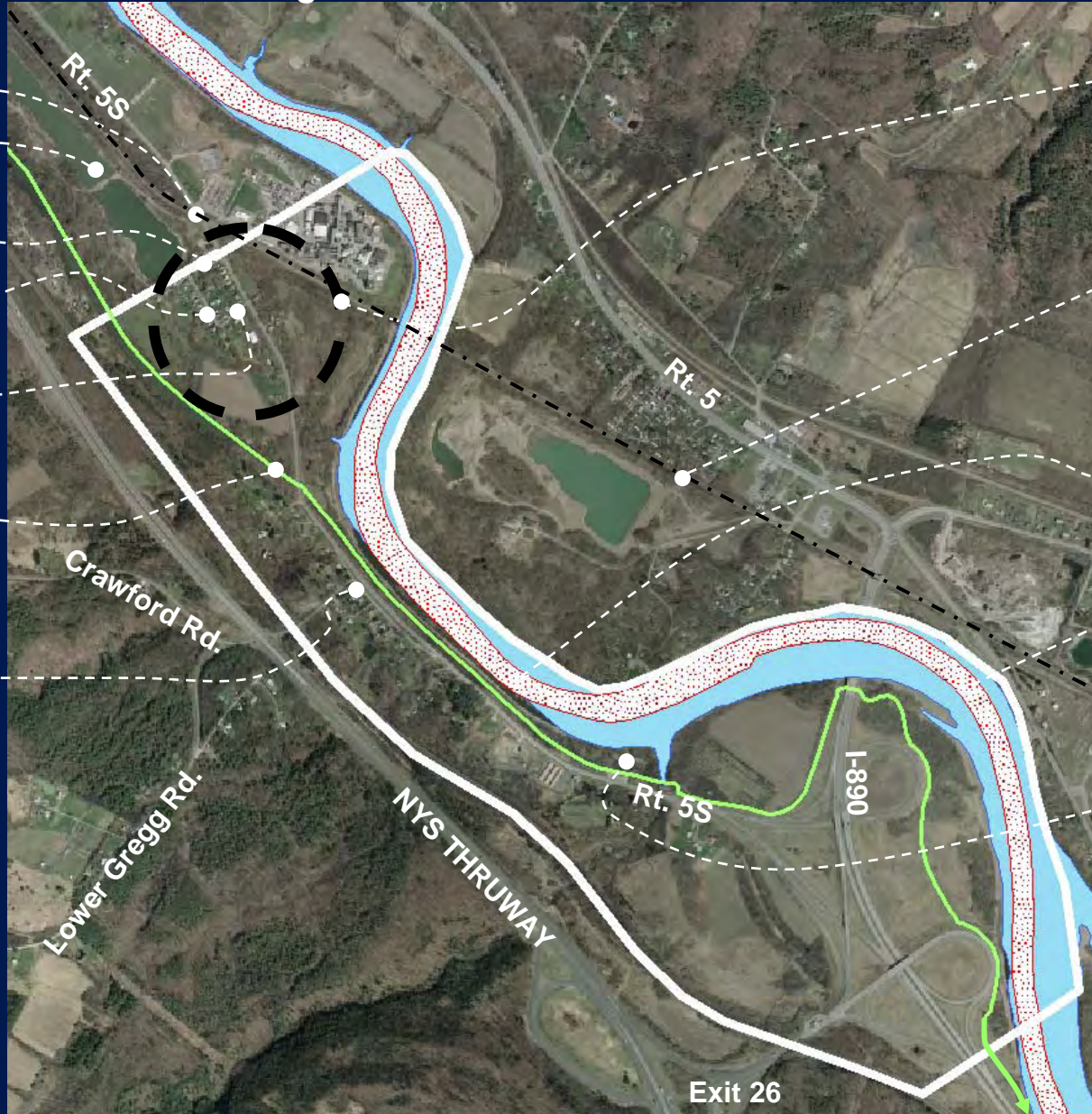
NYS THRUWAY EXIT 26 BRIDGE

I-890

Study Area - Overview

Firehouse Meeting Location 

RR Crossing
Town Property (Bonded Concrete)
Mabie Ln.
Gardinier St.
Karl St.
Mohawk Hudson Bike-Hike Trail
Lower Gregg Rd.

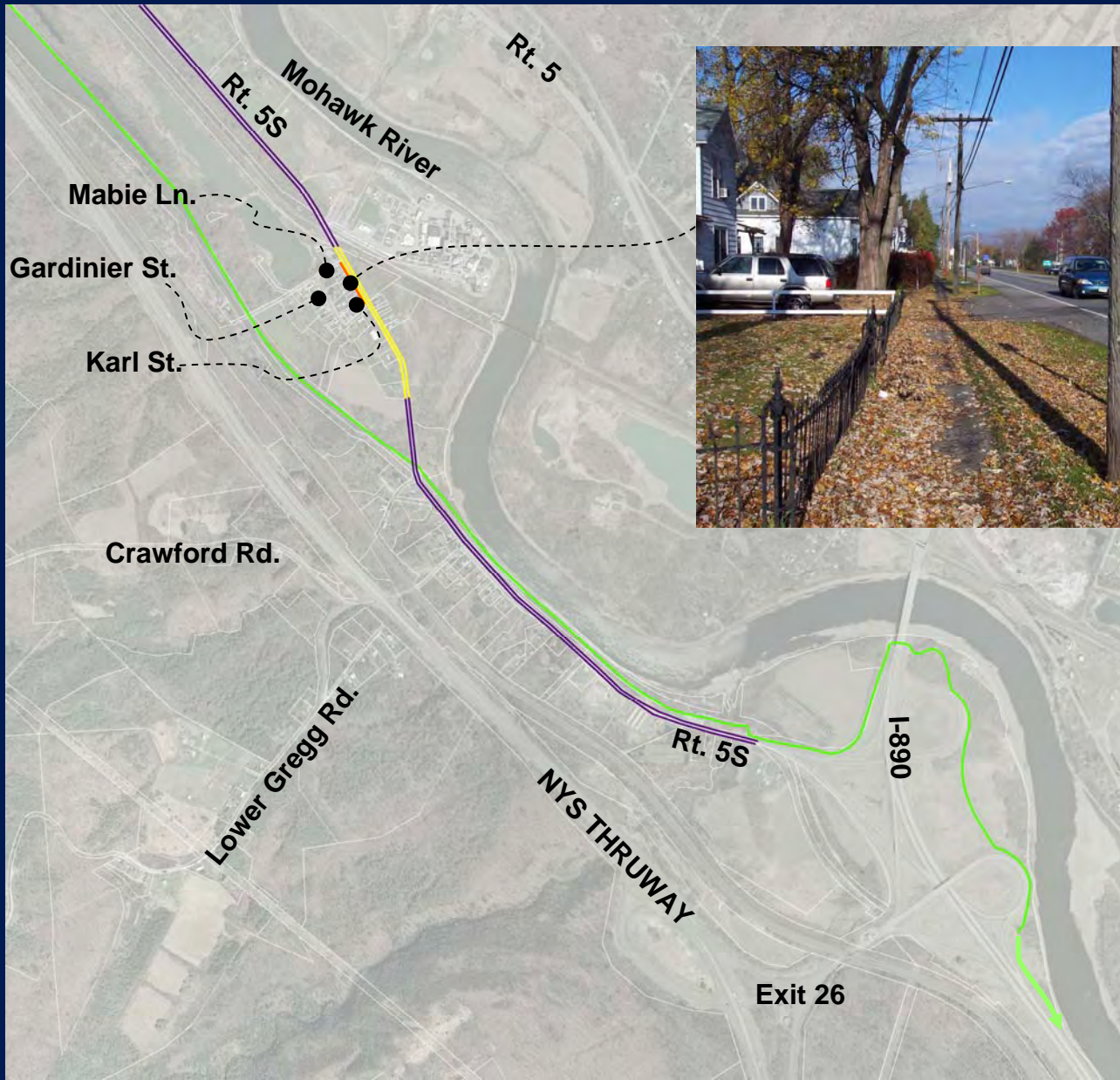


Lower Rotterdam Jct.
Railroad
Mohawk River
Mohawk River Navigable Channel
Kiwanis Park

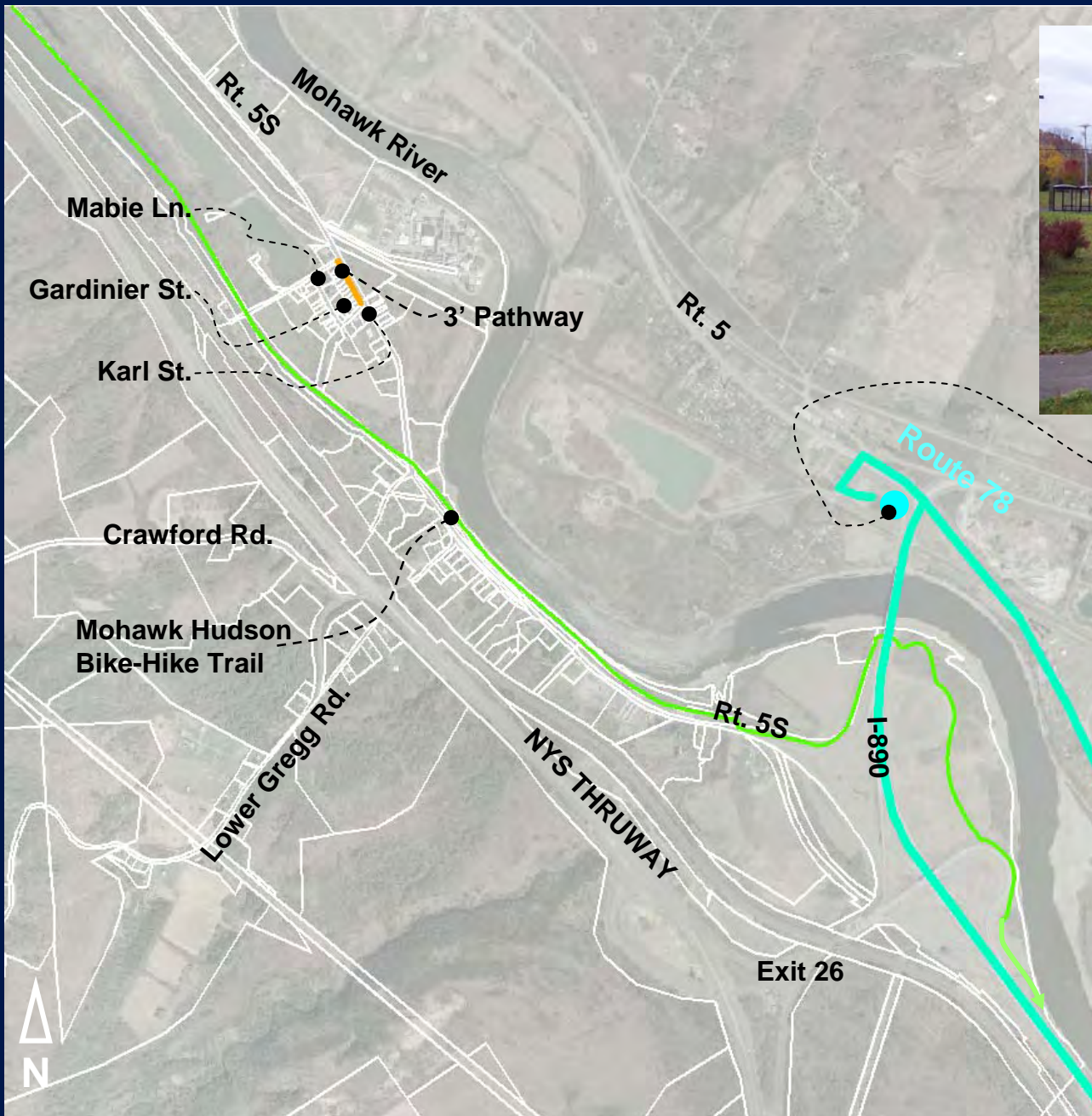


Study Area - Pedestrian Accommodations and Shoulders

- 3'-4' Shoulder
- 4' Shoulder
- 3' Pathway
- Mohawk Hudson Bike-Hike Trail



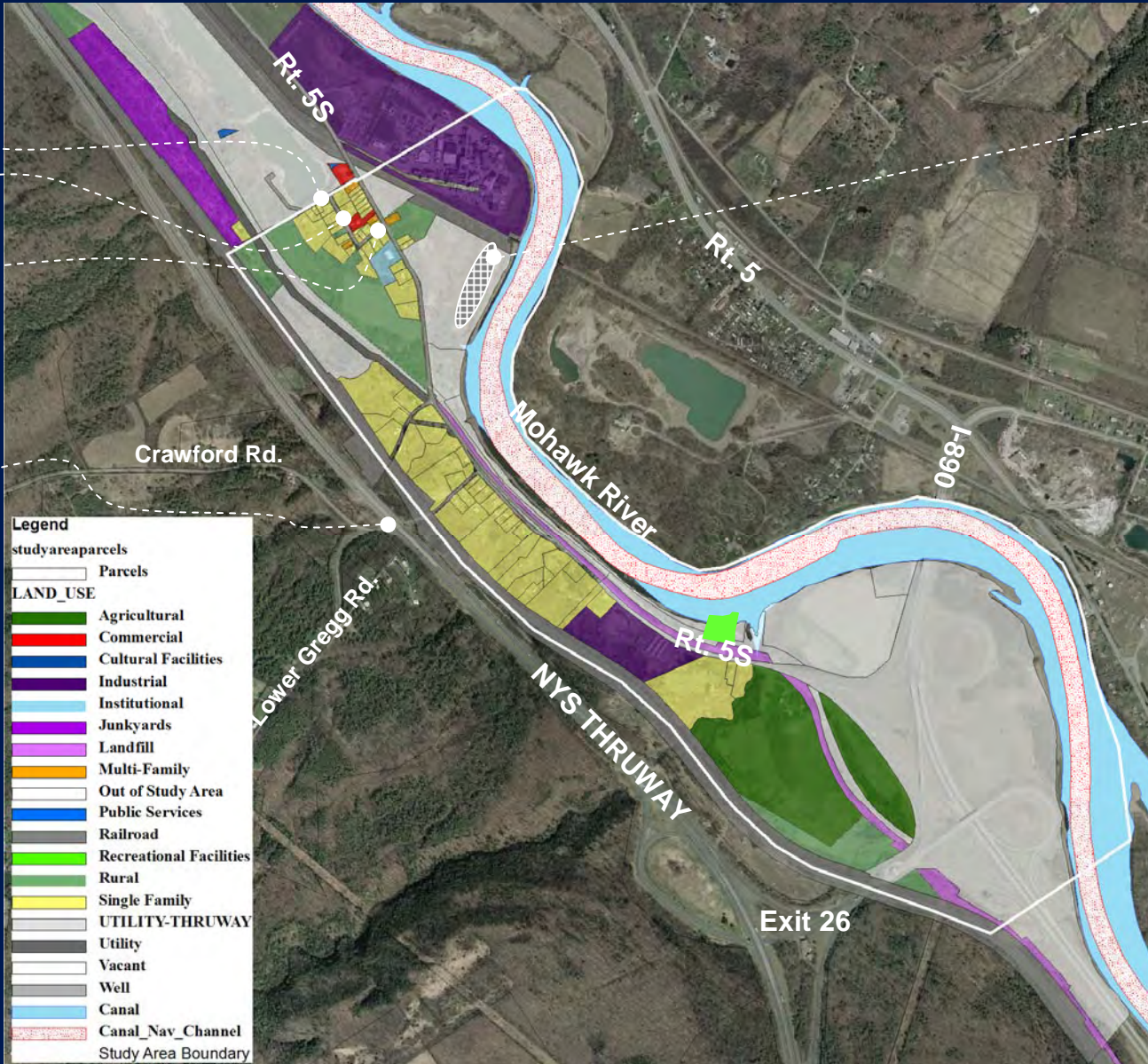
Study Area - Public Transit



CDTA Park & Ride Lot & Trailhead Parking

Study Area – Existing Land Use

NYS Canal Corp.
Upland Dredge
Spoils Site



Mabie Ln.

Gardinier St.

Karl St.

Lower Gregg Rd.

Crawford Rd.

Lower Gregg Rd.

Rt. 5S

Rt. 5

Mohawk River

I-890

NYS THRUWAY

Rt. 5S

Exit 26



Existing Conditions – Land Use

Potentially Developable

Vacant &
Undeveloped
Land
Classification

21 Parcels
308 Acres



Existing Conditions – Land Use

Potentially Developable

Vacant &
Undeveloped
Land

(21 Parcels/308 Ac)

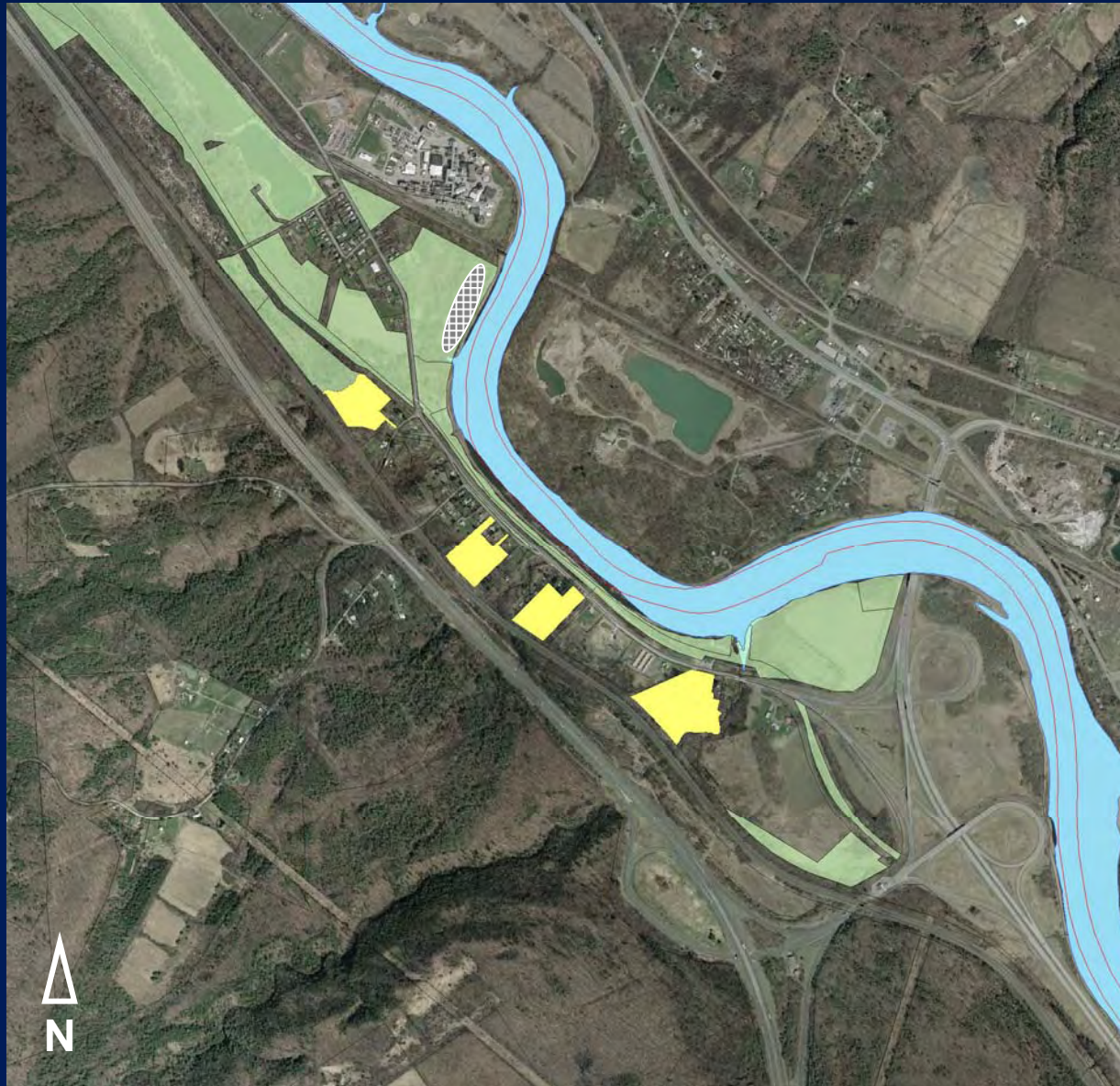
&

Residential Land

Over 5 Acres

4 Parcels

16 Acres



Existing Conditions – Land Use

Potentially Developable

**Vacant &
Undeveloped Land**

(21 parcels/308 Ac)

&

Residential Land

Over 5 Acres

(4 Parcels/16 Acres)

&

Agricultural Land

2 Parcels

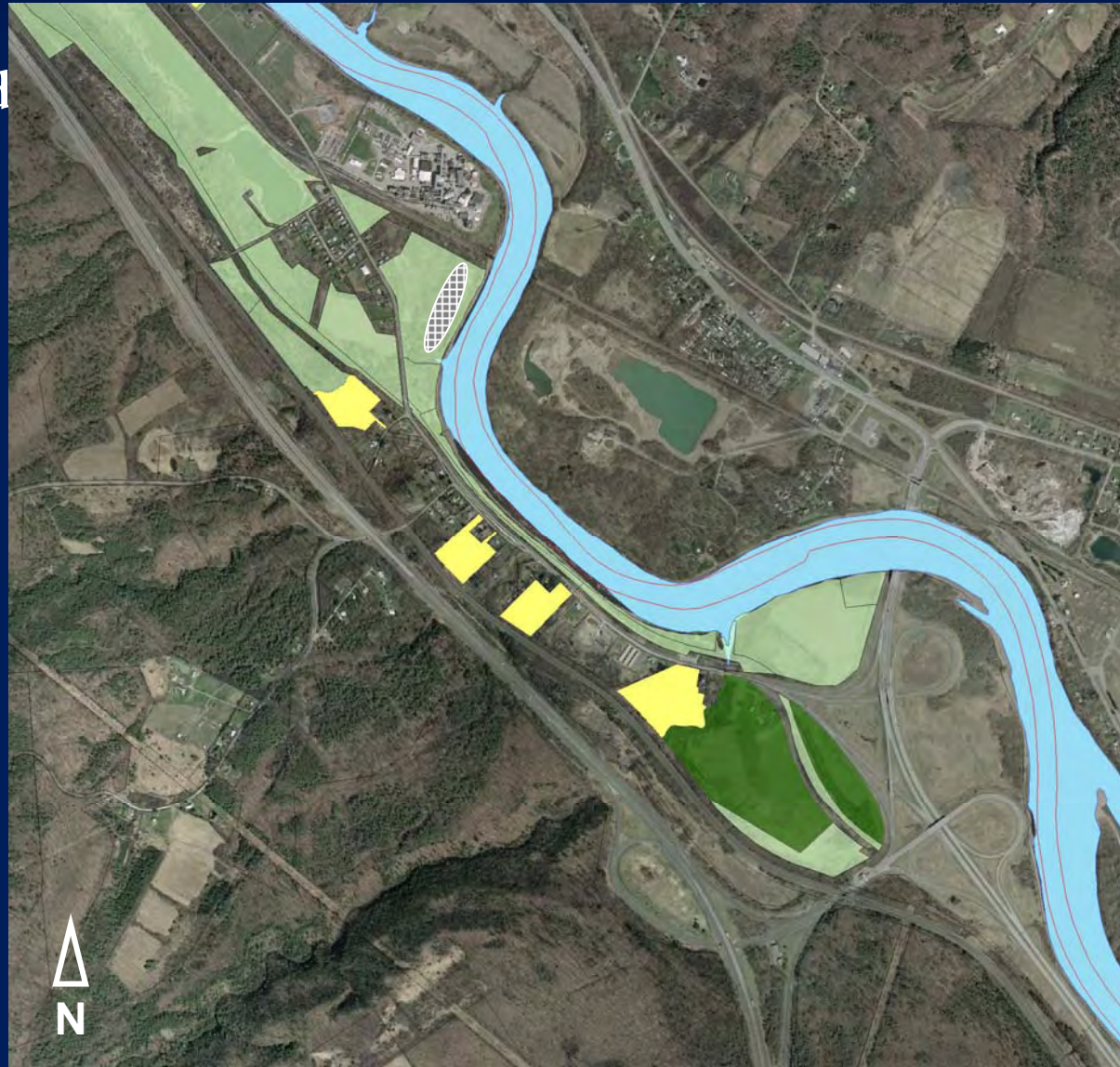
92 Acres

Total

27 Parcels

416 Acres

*355 Potentially
Developable
Acres*



Existing Conditions – Floodplain Constraints



Existing Conditions - Zoning

Zoning District

- A-1 - Agricultural
- R-1 - One Family Residential
- R-2 - Two Family Residential
- R-3 - Multi-Family Residential
- I-1 - Light Industrial District
- I-2 - Heavy Industrial District
- B-1 - Retail Business District
- B-2 - General Business District



Canal Channel



Canal



Existing Conditions

Potential Build-Out & Traffic Generation

Buildout Assumptions:

- Residential Buildout Similar to Existing Single Family Residential Uses
- Non-Residential Buildout Similar to Existing Industrial Uses
- 20% reduction in buildable area for all potential development

-Buildout Potential – Approx. 165 residential units, 1.75M s.f. Industrial Use

NYSDOT – Traffic Count Hourly Report:

AADT – Rt. 5S = Approximately 5,400 trips

Potential Additional Traffic – 2x existing traffic - additional trips per day on Rt. 5S

(IF TOTALLY BUILT-OUT)

[Capacity Analysis Table](#)

Existing Conditions Potential Build-Out & Traffic Generation

Route 5S Capacity Analysis

Route 5S	Existing Condition	Congestion Threshold	Full Build Out
Two-Way AADT (vehicles per hour)	5,400	10,600	17,900
Two-Way Peak Hour Volume(vehicles per hour)	540	1,060	1,790
Level of Service	LOS B	LOS C	LOS E

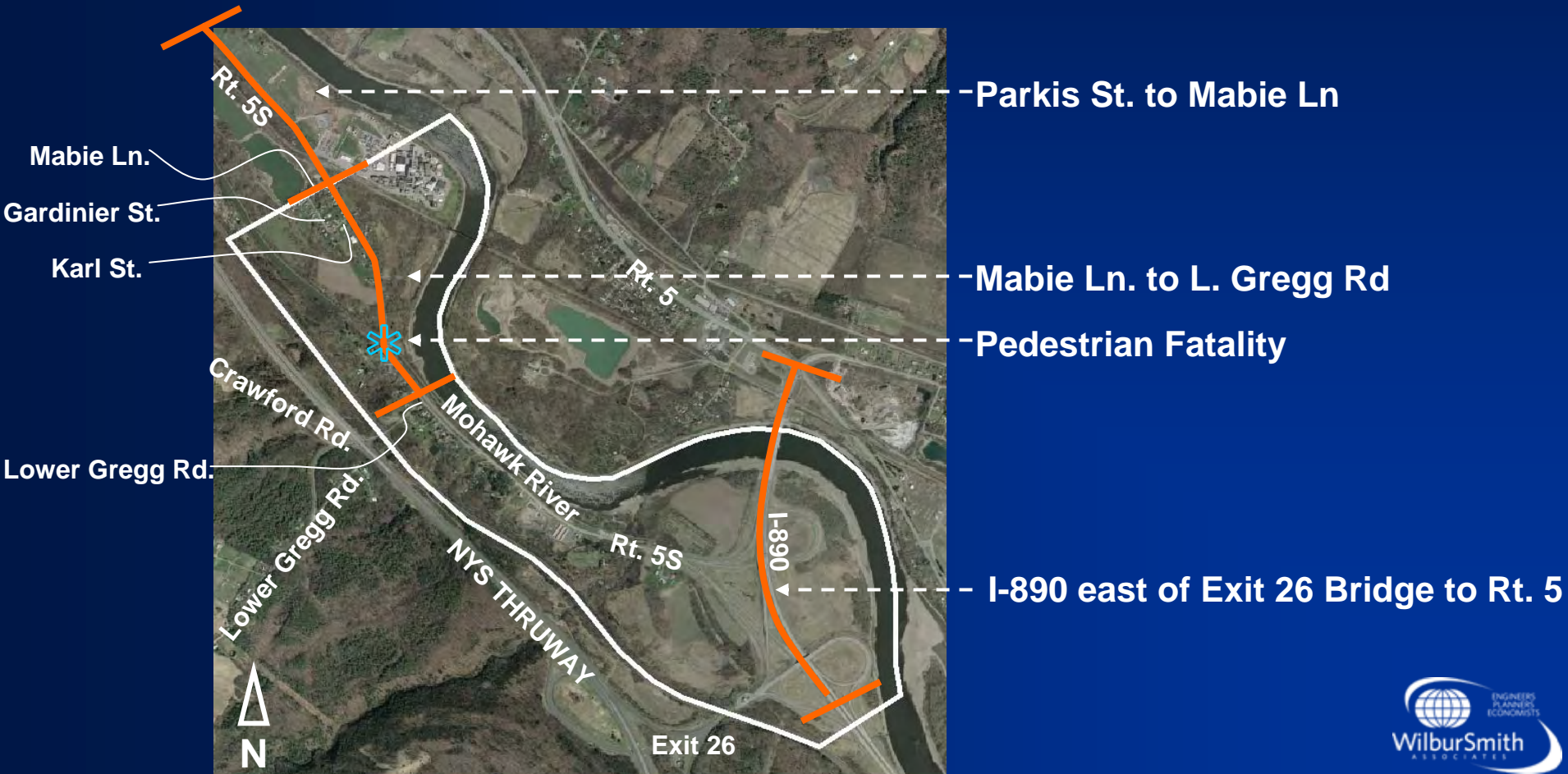
Note: LOS E- Roadway is at capacity

Study Area – Crash Analysis

Breakdown of Accidents
High Accident Rate Locations

Roadway	From	To	Length (Miles)	Total*	Fatalities	Injuries	Property Damage	Not Reported	Average Accident Rate	Calculated Accident Rate
I-890	East of NYS Thruway Exit 26 Bridge	Route 5	0.9	24	0	5	15	4	0.79	1.44
Route 5S	PARKIS ST (Post Office)	MABIE LANE	0.7	8	0	2	4	2	1.11	1.30
Route 5S	MABIE LANE	L. GREGG RD	0.6	10	1	4	1	4	1.11	1.63

* - Number of Crashes over a 3 year period



Identified Transportation Issues

Lack of Pedestrian Accommodations

Mabie Ln. unpaved

No trail crossing warning

Gardinier St.

Karl St.

Lower Gregg Rd.



Deteriorating RR Crossing

Lack of Traffic-Calming/Limited Pedestrian Amenities

Observed High-Rates of Speed ([Speed Data](#))

Mohawk Hudson Bike-Hike Trail Crossing over Rt. 5S

Awkward Approach Angle onto Rt. 5S

Weed Overgrowth along Pedestrian Crossing

NYS DOT Wetland Mitigation Project

Mohawk Hudson Bike-Hike Trail



Exit 26

Existing Conditions

Tube Count – Speed Data

Speed Categories

Rt. 5S @ Gardinier St. - 40 MPH ZONE															Daily Count
	1-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76+	
31-Oct	0	35	72	90	212	832	1251	748	193	38	9	6	1	1	3488
1-Nov	87	158	234	361	560	1373	1916	913	208	49	11	2	2	3	5877
2-Nov	4	78	148	189	330	1279	2095	1125	279	56	11	7	3	5	5609
3-Nov	0	20	74	120	125	252	443	326	132	46	3	2	4	6	1553
4-Nov	0	8	4	16	16	40	43	28	6	11	0	3	0	6	181
5-Nov	62	152	141	86	66	70	59	29	12	5	5	4	2	2	695
6-Nov	72	127	107	86	57	57	32	21	11	6	1	0	1	0	578
7-Nov	48	69	58	25	20	13	12	9	5	3	0	0	0	0	262
Total Count	273	647	838	973	1386	3916	5851	3199	846	214	40	24	13	23	

Vehicles < 40 MPH: 8033 **44%**

Vehicles > 40 MPH: 10210 **56%**

Rt. 5S @ Kiwanis Park - 55 MPH ZONE															Daily Count
	1-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76+	
31-Oct	0	13	71	93	48	103	379	1145	1400	643	131	12	3	15	4056
1-Nov	0	8	137	109	104	283	798	1828	2169	1054	224	35	13	19	6781
2-Nov	0	7	121	128	92	166	689	1700	2046	1020	250	49	7	21	6296
3-Nov	0	3	55	66	47	149	484	1067	1307	764	235	77	22	16	4292
4-Nov	0	5	48	54	48	108	429	793	969	625	218	60	14	12	3383
5-Nov	0	7	104	104	94	236	735	1379	1549	999	329	104	31	28	5699
6-Nov	0	5	79	69	81	285	795	1202	1161	849	467	214	92	56	5355
7-Nov	0	1	26	28	20	93	266	397	379	351	236	148	67	37	2049
Total Count	0	49	641	651	534	1423	4575	9511	10980	6305	2090	699	249	204	

Vehicles < 55 MPH: 28364 **75%**

Vehicles > 55MPH: 9547 **25%**

[\(Link to Transportation Issues\)](#)

Additional Comments

- Please Review Printed Maps:
 - Write comment on notepad
 - Stick comment onto the map board.

Questions or Comments?

Please contact:

Peter Comenzo

Senior Planner- Town of Rotterdam

518.355.7660

pcomenzo@rotterdamny.org

OR

James Levy, AICP

Wilbur Smith Associates

518.783.1887

jlevy@wilbursmith.com